ARCADIS
Infrastructure · Water · Environment · Buildings

Site Specific Health and Safety Plan

Revision 11 9/20/2012

Project Name: Yakima Valley Dairies

Project Number: SK030326; SK030334; SK030335
Client Name: Yakima Valley Dairies
Date: 4/4/2013
Revision:

Approvals:

HASP Developer: Paula A. Lyon

HASP Reviewer: Kurt Merkle

Project Manager: Kevin M. Freeman

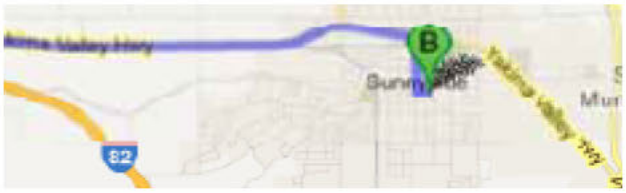
Emergency Information

Site Address: Corner of Deckker and Zillah Rd.
Sunnyside Washington 98944

Emergency Phone Numbers:

Emergency (fire, police, ambulance)		911
Emergency (facility specific, if applicable):		
Sunnyside Community Hospital		509.837.1500
Emergency Other (specify)	Poison Control	800.332.3073
Client Contact		
WorkCare (non-lifethreatening injury/illness)		1-800.455.6155
Project H&S	John De Jong	1.408.772.5714
Task Manager	Tom Mullen	208.755.1094
Project Manager	Kevin Freeman	1.509.981.4747
Corporate H&S Specialist	Tim Hess	720.244.4931
Corporate H&S Director	Mija Coppola	410.923.7823

Hospital Name and Address:



Hospital Phone Number: 509.837.1500

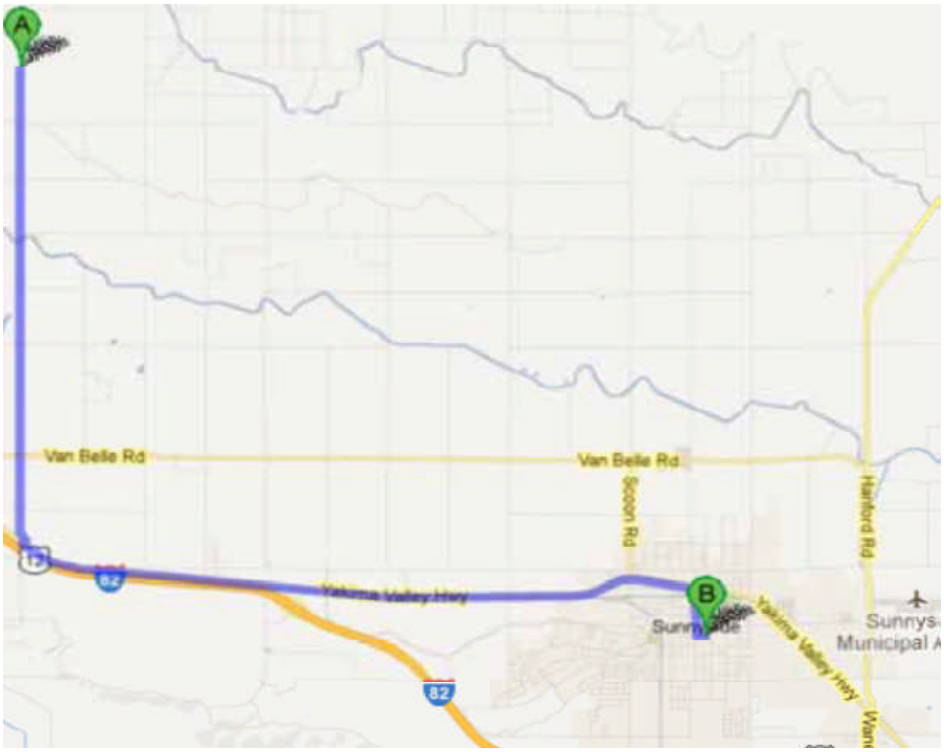
Incident Notification Process

1	Dial 911/Facility Emergency Number/WorkCare as applicable	
2	Contact PM/Supervisor	Kevin Freeman
3	Contact Corporate H&S	Mija Coppola
4	Contact Client	Henry Bosma, Liberty Dairy, LLC [redacted]
		Dan DeRuyter, George DeRuyter & Son Dairy, LLC
5	Contact Client	[redacted]
6	Contact Client	Adam Dolsen, Cow Palace, LLC [redacted]

Complete below, as applicable, or clear cell contents:

Location of Assembly Area(s): Outside of the exclusion zones

Route to the Hospital



Dekker Rd

1.	Head **south** on **Dekker Rd** toward **Kellum Rd** About 11 mins	go 4.3 mi total 4.3 mi
2.	Turn left onto **Yakima Valley Hwy** About 9 mins	go 5.7 mi total 10.0 mi
3.	Turn right onto **N 9th St** About 2 mins	go 0.4 mi total 10.4 mi
4.	Turn left onto **Franklin Ave**	go 295 ft total 10.5 mi
5.	Continue onto **Tacoma Ave** Destination will be on the left	go 62 ft total 10.5 mi

Sunnyside Community Hospital
1016 Tacoma Ave, Sunnyside, WA 98944

General Information

Site Type (select all applicable where work will be conducted):

- [x] Active
- [ ] Bridge
- [x] Buildings
- [ ] Commercial
- [ ] Construction
- [ ] Government
- [x] Inactive
- [ ] Industrial
- [ ] Landfill
- [ ] Marine
- [ ] Mining
- [x] Parking Lot/Private Roadway
- [ ] Railroad
- [x] Remote Area
- [x] Residential
- [ ] Retail
- [x] Roadway (public, inlcuing right-of-way)
- [ ] Secure
- [x] Unknown
- [x] Unsecured
- [ ] Utility
- [ ] Other (specify): _____

Surrounding Area and Topography (select one):

- [x] Surrounding area and topography are presented in the project work plan
- [ ] Surrounding area and topography (*briefly describe*):

Site Background (select one):

- [ ] Site background is presented in the project work plan
- [x] Site background (*briefly describe)*:

The site(s) include several major dairy operations and surrounding residential areas near Sunnyside, Washington. Presently the general land use is rural with confined animal operations and other agricultural operations. The surrounding areas are residential with a majority of them containing large tracts of land regularly farmed for agricultural production.

Project Tasks
The following tasks are identified for this project:

Examples: "Drilling/soil sampling", "Surveying", "General Inspections", "Construction Management/Inspections"

1 Residential access agreement/sampling agreement <= S
2 Residential water tap, spigot or well sampling
3
4
5

☐ Subcontractor H&S information is attached
☐ Utility clearance required.
☐ ARCADIS Standards apply to augment JSA *[list standard(s) below]*
☑ ARCADIS Field H&S Handbook sections apply *(list below)*

Comments:
H&S Standards- Dailty Safety Meetings/Tailgates, First Aid, General H&S Rules and Safe Work Permits, HASP, Stop Work, General Housekeeping, Personal Hygiene and Field Sanitation, Personal Safety and Other Unique Site Conditions, Heat Stress, Biological Hazards, Illumination, Medical Surveillance, Vehicle

Roles and Responsibilities

	Name	*Role*	*Additional Responsibilities (Describe)*
1	Kevin Freeman	PM	
2	Tom Mullen	TM	
3	John De Jong	Field Lead	
4	John De Jong	SSO	
5			
6			

Training

All ARCADIS employees are required to have the following training:	*Selected ARCADIS employees are required to have the following additional training:*	Names or Numbers from above
☑ 40 hr HAZWOPER w current refresh.	☐ Not applicable	
☐ 24 hr HAZWOPER	☑ First aid/CPR/BBP	All Employees
☐ 10 hr Construction	☐ 30 hr Construction	
☐ HazMat #1 (Ground/Air/MOT)	☐ 10 hr Construction	
☑ HazMat #4 (MOT)	☐ HazMat #1 (Gr./Air/MOT)	
☐ HazCom/Emergency Action Plan	☐ HazMat #4 (MOT)	
☑ H&S Orientation (classroom); or	☐ Confined space entrant	
☐ H&S Orientation (on-line)	☐ Confined space rescue	
☑ PPE	☐ Excavation CP	
☐ Respiratory protection	☐ Electrical (NFPA 70E)	
☐ MSHA	☐ Lockout/Tagout	
☑ Smith System (on-line)	☐ H&S Orientation (class)	
☐ OTS/eRailsafe	☐ OTS/eRailsafe	
☐ Client specific:	☐ Smith Sys. (hands on)	
	☐ Boating safety	
☐ Other:	☐ Other:	

Hazard Analysis

Risk Assessment Matrix		Likelihood Ratings** (likelihood that incident would occur)			
Consequences Ratings*		A	B	C	D
People	Property	0 Almost impossible	1 Possible but unlikely	2 Likely to happen	3 Almost certain to happen
1 - Slight or no health	Slight or no damage	0 - Low	1 - Low	2 - Low	3 - Low
2 - Minor health effect	Minor damage	0 - Low	2 - Low	4 - Medium	6 - Medium
3 - Major health effect	Local damage	0 - Low	3 - Low	6 - Medium	9 - High
4 - Fatalities	Major damage	0 - Low.	4 - Medium.	8 - High	12 - High

Division
Environment

Business Unit
REM

Task 1: **Residential access agreement/sampling agreement**

Hazardous Activity #1

Field-Mobilization/Demobilization - from a site

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological	M	Chemical	L	Driving	M	Electrical	L
Environmental	L	Gravity	L	Mechanical	L	Motion	L
Personal Safety	M	Pressure	L	Radiation	L	Sound	L

Overall Unmitigated Risk: Medium Mitigated Risk: Low if utilizing:
Primary Controls TRACK Field H&S Handbook Engineering Controls

Secondary Controls JSAs Job Briefing/Site Awareness PPE (see HASP "PPE" section) Admin. Controls

Hazardous Activity #2

Field-Biological - mammals, reptiles, marine animals, etc

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological	M	Chemical	-	Driving	-	Electrical	-
Environmental	-	Gravity	-	Mechanical	-	Motion	-
Personal Safety	M	Pressure	-	Radiation	-	Sound	-

Overall Unmitigated Risk: Medium Mitigated Risk: Low if utilizing:
Primary Controls TRACK Field H&S Handbook Admin. Controls Housekeeping

Secondary Controls JSAs Job Briefing/Site Awareness Cont/Emerg. Planning PPE (see HASP "PPE" section)

Hazardous Activity #3

Field-Security - work activities in dangerous/ unsafe areas

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological	M	Chemical	-	Driving	-	Electrical	-
Environmental	-	Gravity	-	Mechanical	-	Motion	-
Personal Safety	M	Pressure	-	Radiation	-	Sound	-

Overall Unmitigated Risk: Medium Mitigated Risk: Low if utilizing:
Primary Controls TRACK Cont/Emerg. Planning Communications Plan Admin. Controls

Secondary Controls JSAs Job Briefing/Site Awareness

Hazardous Activity #4

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:
Primary Controls

Secondary Controls

Risk Assessment Matrix		Likelihood Ratings** (likelihood that incident would occur)			
Consequences Ratings*		A	B	C	D
People	Property	0 Almost impossible	1 Possible but unlikely	2 Likely to happen	3 Almost certain to happen
1 - Slight or no health	Slight or no damage	0 - Low	1 - Low	2 - Low	3 - Low
2 - Minor health effect	Minor damage	0 - Low	2 - Low	4 - Medium	6 - Medium
3 - Major health effect	Local damage	0 - Low	3 - Low	6 - Medium	9 - High
4 - Fatalities	Major damage	0 - Low.	4 - Medium.	8 - High	12 - High

Task 2: **Residential water tap, spigot or well sampling**

Hazardous Activity #1

Field-Mobilization/Demobilization - from a site

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological	-	Chemical	L	Driving	M	Electrical	-
Environmental	-	Gravity	M	Mechanical	-	Motion	L
Personal Safety	-	Pressure	-	Radiation	-	Sound	-

Overall Unmitigated Risk: Medium Mitigated Risk: Low if utilizing:

Primary Controls TRACK Field H&S Handbook Engineering Controls

Secondary Controls JSAs Job Briefing/Site Awareness PPE (see HASP "PPE" section) Admin. Controls

Hazardous Activity #2

General-Security - activities requiring personnel to work alone

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological	-	Chemical	-	Driving	-	Electrical	-
Environmental	-	Gravity	-	Mechanical	-	Motion	-
Personal Safety	M	Pressure	-	Radiation	-	Sound	-

Overall Unmitigated Risk: Medium Mitigated Risk: Low if utilizing:

Primary Controls TRACK Job Briefing/Site Awareness Admin. Controls

Secondary Controls JSAs Field H&S Handbook Specialized Equipment

Additional Controls Field personnel will not be working alone, but will be working in teams of two.

Hazardous Activity #3

Field-Sampling - sample cooler preparation

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological	-	Chemical	M	Driving	-	Electrical	-
Environmental	-	Gravity	M	Mechanical	L	Motion	L
Personal Safety	M	Pressure	-	Radiation	-	Sound	-

Overall Unmitigated Risk: Medium Mitigated Risk: Low if utilizing:

Primary Controls TRACK JSAs Engineering Controls PPE (see HASP "PPE" section) See HASP "Monitoring" section

Secondary Controls Job Briefing/Site Awareness Admin. Controls Work Plan

Hazardous Activity #4

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Risk Assessment Matrix		Likelihood Ratings** (likelihood that incident would occur)			
Consequences Ratings*		A	B	C	D
People	Property	0 Almost impossible	1 Possible but unlikely	2 Likely to happen	3 Almost certain to happen
1 - Slight or no health	Slight or no damage	0 - Low	1 - Low	2 - Low	3 - Low
2 - Minor health effect	Minor damage	0 - Low	2 - Low	4 - Medium	6 - Medium
3 - Major health effect	Local damage	0 - Low	3 - Low	6 - Medium	9 - High
4 - Fatalities	Major damage	0 - Low.	4 - Medium.	8 - High	12 - High

Task 3: 0

Hazardous Activity #1

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Hazardous Activity #2

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Hazardous Activity #3

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Hazardous Activity #4

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Risk Assessment Matrix		Likelihood Ratings** (likelihood that incident would occur)			
Consequences Ratings*		A	B	C	D
People	Property	0 Almost impossible	1 Possible but unlikely	2 Likely to happen	3 Almost certain to happen
1 - Slight or no health	Slight or no damage	0 - Low	1 - Low	2 - Low	3 - Low
2 - Minor health effect	Minor damage	0 - Low	2 - Low	4 - Medium	6 - Medium
3 - Major health effect	Local damage	0 - Low	3 - Low	6 - Medium	9 - High
4 - Fatalities	Major damage	0 - Low.	4 - Medium.	8 - High	12 - High

Task 4: 0

Hazardous Activity #1

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Hazardous Activity #2

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Hazardous Activity #3

none

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Hazardous Activity #4

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Risk Assessment Matrix		Likelihood Ratings** (likelihood that incident would occur)			
Consequences Ratings*		A	B	C	D
People	Property	0 Almost impossible	1 Possible but unlikely	2 Likely to happen	3 Almost certain to happen
1 - Slight or no health	Slight or no damage	0 - Low	1 - Low	2 - Low	3 - Low
2 - Minor health effect	Minor damage	0 - Low	2 - Low	4 - Medium	6 - Medium
3 - Major health effect	Local damage	0 - Low	3 - Low	6 - Medium	9 - High
4 - Fatalities	Major damage	0 - Low.	4 - Medium.	8 - High	12 - High

Task 5: 0

Hazardous Activity #1

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Hazardous Activity #2

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Hazardous Activity #3

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Hazardous Activity #4

None

Hazard Types (unmitigated ranking H-High, M-Medium, L-Low):

Biological		Chemical		Driving		Electrical	
Environmental		Gravity		Mechanical		Motion	
Personal Safety		Pressure		Radiation		Sound	

Overall Unmitigated Risk: Not Ranked Mitigated Risk: Not Ranked if utilizing:

Primary Controls

Secondary Controls

Hazard Communication (HazCom)/Global Harmonization System (GHS)

☐ HAZCOM/GHS for this project is managed by the client or general contractor

List the chemicals anticipated to be used by ***ARCADIS*** *on this project per HazCom/GHS requirements.*
(Modify quantities as needed)

	Acids/Bases	Qty
☑	Not applicable	
☐	Hydrochloric acid	<500 ml
☐	Nitric acid	<500 ml
☐	Sulfuric acid	<500 ml
☐	Sodium hydroxide	<500 ml
☐	Zinc acetate	<500 ml
☐	Ascorbic acid	<500 ml
☐	Acetic acid	<500 ml
☐	Other:	

	Decontamination	Qty
☐	Not applicable	
☑	Alconox	≤ 5 lbs
☑	Liquinox	≤ 1 gal
☐	Acetone	≤ 1 gal
☐	Methanol	≤ 1 gal
☐	Hexane	≤ 1 gal
☐	Isopropyl alcohol	≤ 4 gal
☐	Nitric acid	≤ 1 L
☐	Other:	

	Calibration	Qty.
☐	Not applicable	
☐	Isobutylene/air	1 cyl
☐	Methane/air	1 cyl
☐	Pentane/air	1 cyl
☐	Hydrogen/air	1 cyl
☐	Propane/air	1 cyl
☐	Hydrogen sulfide/air	1 cyl
☐	Carbon monoxide/air	1 cyl
☐	pH standards (4,7,10)	≤ 1 gal
☐	Conductivity standards	≤ 1 gal
☐	Other:	

	Fuels	Qty.
☐	Not applicable	
☐	Gasoline	≤ 5 gal
☐	Diesel	≤ 5 gal
☐	Kerosene	≤ 5 gal
☐	Propane	1 cyl
☐	Other:	

	Kits		Qty.
☐	Not applicable		
☑	Hach (specify):	Nitrate	1 kit
☐	DTECH (specify):		1 kit
☐	EPA 5035 Soil (specify kit):		1 kit
☐	Other:		

	Remediation	Qty.
☐	Not applicable	
☐		
☐		
☐		
☐		
☐		

	Other:	Qty.
☐	Not applicable	
☐	Spray paint	≤ 6 cans
☐	WD-40	≤ 1 can
☐	Pipe cement	≤ 1 can
☐	Pipe primer	≤ 1 can
☐	Mineral spirits	≤ 1 gal

		Qty.
☐		
☐		
☐		
☐		
☐		
☐		

Material safety data sheets (MSDSs)/Safety Data Sheets (SDSs) must be available to field staff.
Indicate below how MSDS information will be provided:

☐ Not applicable
☐ Printed copy in company vehicle
☐ Printed copy in the project trailer/office
☐ Printed copy attached
☑ Electronic copy on field computer

☐ Contractor MSDSs/SDSs are not applicable
☐ Contractor MSDSs/SDSs are attached
☐ Contractor MSDSs/SDSs will be on site and located: _____

☐ Bulk quantities of the following materials will be stored: _____

Contact the project H&S contact for information in determining code and regulatory requirements associated with bulk storage of materials.

Personal Protective Equipment (PPE)

See JSA for the task being performed for PPE requirements. *If the work is not conducted under a JSA, refer to the governing document for PPE requirements. At a minimum, the following checked PPE is required for* *all tasks during field work* *not covered by a JSA on this project:*

Level D or Level D Modified:

							Specify Type:
☐	Hard hat	☐	Snake chaps/guards	☐	Coveralls:		
☑	Safety glasses	☐	Briar chaps	☐	Apron:		
☐	Safety goggles	☐	Chainsaw chaps	☐	Chem. resistant gloves:		
☐	Face shield	☐	Sturdy boot	☑	Gloves other:		Nitrile
☐	Hearing protection	☑	Steel toe boot	☐	Chemical boot:		
☐	Rain suit	☐	Metatarsal boot	☑	Boot other:		Disposable boot covers
☑	Other:			☑	Traffic vest:		As needed
	Hand Sanitizer			☐	Life vest:		

Task specific PPE: PPE requirments are Modified D

Comments:

Medical Surveillance (*check all that apply*)

- ☐ Medical Surveillance is not required for this project.
- ☑ HAZWOPER medical surveillance applies to all ARCADIS site workers on the project.
- ☐ HAZWOPER medical surveillance applies to all subcontractors on the project.
- ☐ HAZWOPER medical surveillance applies to all site workers on the project except:

- ☐ Other medical surveillance required (describe type and who is required to participate):

- ☐ Client drug and/or alcohol testing required.

Hazardous Materials Shipping and Transportation (*check all that apply*)

- ☐ Not applicable, no materials requiring a Shipping Determination will be transported or shipped
- ☑ A Shipping Determination has been reviewed and provided to field staff
- ☐ A Shipping Determination is attached
- ☐ All HazMat will be transported under Materials of Trade by ARCADIS
- ☐ Other (specify):

Roadway Work Zone Safety (*check all that apply*)

- ☑ Not applicable for this project
- ☐ All or portions of the work conducted under a TCP
- ☐ All or portions of the work conducted under a STAR Plan
- ☐ TCP or STAR Plan provided to field staff
- ☐ TCP or STAR Plan attached
- ☐ Other (specify):

Warning -selection conflicts with entries on the General worksheet indicating TCP is required.

ARCADIS Commercial Motor Vehicles (CMVs)

This section is applicable to ARCADIS operated vehicles only

- ☑ This project will **not** utilize CMV drivers
- ☐ This project will utilize CMV drivers

Site Control (*check all that apply*)

- [x] Not applicable for this project.
- [ ] Site control protocols are addressed in JSA or other supporting document (attach)
- [ ] Maintain an exclusion zone of _____ ft. around the active work area
- [ ] Site control is integrated into the STAR Plan or TCP for the project
- [ ] Level C site control - refer to Level C Supplement attached
- [ ] Other (specify):

Decontamination (*check all that apply*)

- [ ] Not applicable for this project.
- [ ] Decontamination protocols are addressed in JSA or other governing document (attach)
- [x] Level D work- wash hands and face prior to consuming food, drink or tobacco.
- [ ] Level D Modified work- remove coveralls and contain, wash hands and face prior to consuming food, drink or tobacco. Ensure footwear is clean of site contaminants
- [ ] Level C work - refer to the Level C supplement attached.
- [ ] Other (specify):

Sanitation *(check all that apply)*

- [x] Mobile operation with access to off-site restrooms and potable water
- [ ] Restroom facilities on site provided by client or other contractor
- [ ] Project to provide portable toilets (1 per 20 workers)
- [ ] Potable water available on site
- [x] Project to provide potable water (assume 1 gal./person/day)
- [ ] Project requires running water (hot and cold, or tepid) with soap and paper towels

Safety Briefings (*check all that apply*)

- [x] Safety briefing required daily
- [ ] Safety briefing required twice a day
- [ ] Safety briefings required at the following frequency: _____
- [ ] Subcontractors to participate in ARCADIS safety briefings
- [ ] ARCADIS to participate in client/contractor safety briefings
- [ ] Other (specify):

Safety Equipment and Supplies

***Safety equipment/supply requirements are addressed in the JSA for the task being performed**. If work is not performed under a JSA, the following safety equipment is required to be present on site in good condition (Check all that apply):*

- [x] First aid kit
- [ ] Bloodborne pathogens kit
- [x] Fire extinguisher
- [ ] Eyewash (ANSI compliant)
- [x] Eyewash (bottle)
- [x] Drinking water
- [x] Other: Bear/dog spray
- [x] Insect repellent
- [ ] Sunscreen
- [ ] Air horn
- [ ] Traffic cones
- [ ] 2-way radios
- [ ] Heat stress monitor

H&S Program (*check all that apply*)

- ☐ H&S metrics are provided on the account level, refer to account guidance
- ☑ TIP required at the following frequency on this project:
  Select One: 160 mhrs _____ time(s) _____ Define: _____
- ☐ H&S Field Assessment required at the following frequency on this project:
  Select One: _____ mhrs _____ time(s) _____ Define: _____
- ☐ Other (specify):

List tasks anticipated for TIP activity:

Residential water tap, spigot or well

Signatures

I have read, understand and agree to abide by the requirements presented in this health and safety plan. I understand that I have the absolute right to stop work if I recognize an unsafe condition affecting my work until corrected.

Printed Name	Signature	Date

Add additional sheets if necessary

☐ Subcontractor Acknowledgement Form attached

You have an absolute right to STOP WORK if unsafe conditions exist!

Attachments

HASP Forms

ARCADIS

Document Control Number:TGM - _____

TGM + *project number plus date as follows: xxxxxxxx.xxxx.xxxxx - dd/mm/year*

TAILGATE HEALTH & SAFETY MEETING FORM

This form documents the tailgate meeting conducted in accordance with the Project HASP. Personnel who perform work operations on-site during the day are required to attend this meeting and to acknowledge their attendance, at least daily.

Project Name:			**Project Location:**
Date:	**Time:**	**Conducted by:**	**Signature/Title:**
Client:		**Client Contact:**	**Subcontractor companies:**

TRACKing the Tailgate Meeting

Think through the Tasks (list the tasks for the day):

1 _____ 3 _____ 5 _____

2 _____ 4 _____ 6 _____

Other Hazardous Activities - Check the box if there are any other ARCADIS, Client or other party activities that may pose hazards to ARCADIS operations ☐ If there are none, write "None" here: _____

If yes, describe them here: _____

How will they be controlled? _____

Prework Authorization - check activities to be conducted that require permit issuance or completion of a checklist or similar before work begins:

	Doc #		Doc #		Doc #
☐ Not applicable		☐ Working at Height		☐ Confined Space	
☐ Energy Isolation (LOTO)		☐ Excavation/Trenching		☐ Hot Work	
☐ Mechanical Lifting Ops		☐ Overhead & Buried Utilities		☐ Other permit	

Discuss following questions (for some review previous day's post activities). **Check if yes :**

☐ Incidents from day before to review?	☐ Lessons learned from the day before?	☐ Any Stop Work Interventions yesterday?
☐ Any corrective actions from yesterday?	☐ Will any work deviate from plan?	☐ If deviations, notify PM & client
☐ JLAs or procedures are available?	☐ Field teams to "dirty" JLAs, as needed?	☐ All equipment checked & OK?
☐ Staff has appropriate PPE?	☐ Staff knows Emergency Plan (EAP)?	☐ Staff knows gathering points?

☐ Topics from Corp H&S to cover?

Comments: _____

Recognize the hazards (check all those that are discussed) (Examples are provided) and **A**ssess the Risks (Low, Medium, High - circle risk level) - Provide an overall assessment of hazards to be encountered today and briefly list them under the hazard category.

☐ Gravity (i.e., ladder, scaffold, trips) (L M H)	☐ Motion (i.e., traffic, moving water) (L M H)	☐ Mechanical (i.e., augers, motors) (L M H)
☐ Electrical (i.e., utilities, lightning) (L M H)	☐ Pressure (i.e., gas cylinders, wells) (L M H)	☐ Environment (i e., heat, cold, ice) (L M H)
☐ Chemical (i.e., fuel, acid, paint) (L M H)	☐ Biological (i.e., ticks, poison ivy) (L M H)	☐ Radiation (i.e., alpha, sun, laser) (L M H)
☐ Sound (i.e., machinery, generators) (L M H)	☐ Personal (i.e. alone, night, not fit) (L M H)	☐ Driving (i.e. car, ATV, boat, dozer) (L M H)

Continue TRACK Process on Page 2

TAILGATE HEALTH & SAFETY MEETING FORM - Pg. 2

Control the hazards (Check all and discuss those methods to control the hazards that will be implemented for the day): Review the HASP, applicable JLAs, and other control processes. Discuss and document any additional control processes.

- [x] **STOP WORK AUTHORITY** (Must be addressed in every Tailgate meeting - (*See statements below*)

☐ Elimination	☐ Substitution	☐ Isolation
☐ Engineering controls	☐ Administrative controls	☐ Monitoring
☐ General PPE Usage	☐ Hearing Conservation	☐ Respiratory Protection
☐ Personal Hygiene	☐ Exposure Guidelines	☐ Decon Procedures
☐ Emergency Action Plan (EAP)	☐ Fall Protection	☐ Work Zones/Site Control
☐ JLA to be developed/used ***(specify)***	☐ LPO conducted ***(specify job/JLA)***	☐ Traffic Control
☐	☐	☐ Other ***(specify)***
☐	☐	☐

Signature and Certification Section - Site Staff and Visitors

Name/Company/Signature	Initial & Sign in Time	Initial & Sign out Time	I have read and understand the

Important Information and Numbers

All site staff should arrive fit for work. If not, they should report to he supervisor any restrictions or concerns.

In the event of an injury, employees will call WorkCare at 1.800.455.6155 and then notify the field supervisor who will, in turn, notify Corp H&S at 1.720.344.3844.

In the event of a motor vehicle accident, employees will notify the field supervisor who will then notify Corp H&S at 1.720.344.3844 and then Corp Legal at 1.720.344.3756.

In the event of a utility strike or other damage to property of a client or 3rd party, employees will immediately notify the field supervisor, who will then immediately notify Corp Legal at 1.678.373.9556 and Corp H&S at

Visitor Name/Co - not involved in work

In	Out
In	Out
In	Out
In	Out

I will STOP he job any time anyone is concerned or uncertain about health & safety or if anyone identifies a hazard or additional mitigation not recorded in the site, project, job or task hazard assessment.

I will be alert to any changes in personnel, conditions at the work site or hazards not covered by the original hazard assessments.

If it is necessary to **STOP THE JOB,** I will perform **TRACK**; and then amend the hazard assessments or the HASP as needed.

I will not assist a subcontractor or other party wi h their work unless it is absolutely necessary and then only after I have done TRACK and I have thoroughly controlled the hazard.

Post Daily Activities Review - Review at end of day or before next day's work (Check those applicable and explain:)

- ☐ Lessons learned and best practices learned today: _____
- ☐ Incidents that occurred today: _____
- ☐ Any Stop Work interventions today? _____
- ☐ Corrective/Preventive Actions needed for future work: _____
- ☐ Any other H&S issues: _____

Keep H&S 1st in all things

WorkCare - 1.800.455.6155

Employee Signature Form

I certify that I have read, understand, and will abide by the safety requirements outlined in this HASP.

Printed Name	Signature	Date

Subcontractor Acknowledgement: Receipt of HASP Signature Form

ARCADIS claims no responsibility for the use of this HASP by others although subcontractors working at the site may use this HASP as a guidance document. In any event, ARCADIS does not guarantee the health and/or safety of any person entering this site. Strict adherence to the health and safety guidelines provided herein will reduce, but not eliminate, the potential for injury at this site. To this end, health and safety becomes the inherent responsibility of personnel working at the site.

Printed Name	Company	Signature	Date

Visitor Acknowledgement and Acceptance of HASP Signature Form

By signing below, I waive, release and discharge the owner of the site and ARCADIS and their employees from any future claims for bodily and personal injuries which may result from my presence at, entering, or leaving the site and in any way arising from or related to any and all known and unknown conditions on the site.

Name	Company	Reason for Visit	Date/Time On Site	Date/Time Off Site

Hazardous Materials Transportation Form

	Vehicle (place X in box)	Type (pick-up, car, box truck, etc.)
Personal		
Rental		
ARCADIS owned/leased		
Government owned		
Trailer		

Materials Transported	Quantity	Storage/Transport Container

List Trained Drivers:

_____

_____

Hazardous Materials Shipment Form

Material Description and Proper Shipping Name (per DOT or IATA)	Shipment Quantity	DOT Hazard Classification	Shipment Method (air/ground)

List Shipper (i.e., who we are offering the shipment to):

_____

_____

List Trained Employee(s):

_____

_____

JSAs

Job Safety Analysis

General

JSA ID	7388 (Revised 4/4/2013)	**Status**	Completed
Job Name	Environmental-Other	**Created Date**	03/26/2013
Task Description	Potable Well, Tap or Spigot Sampling - Residential/Commercial	**Completed Date**	04/4/2013
Template	False	**Auto Closed**	False

Client / Project

Client	Yakima Valley Dairies
Project Number	SK030326.0001; SK030334.0001; SK030335.0001
Project Name	Yakima Valley Dairies
PIC	FREEMAN, KEVIN
Project Manager	FREEMAN, KEVIN

User Roles

Role	Employee	Due Date	Completed Date	Supervisor	Active
Developer	Lyon, Paula	4/5/2013	4/5/2013	Sprick, Grant	☑
HASP Reviewer	Merkle, Kurt	5/8/2012	4/24/2012	Beil, Kurt	☑

Job Steps

Job Step No.	Job Step Description		Potential Hazard	Critical Action	H&S Reference
1	Mobilization/Demobilization	1	Motor Vehicle Accident	Use Smith System driving techniques. When driving in residential areas be mindful of pedestrians, particularly children.	
		2	Lifting/Strains/Pinch Points	Use proper lifting techniques to load vehicle with sample coolers, ice, and field kit. Load heavier items last.	
2	Tailgate Safety Meeting	1	Not Applicable	Conduct a safety meeting each day before beginning activities and if conditions change. Review HASP and applicable sections of the Employee Field Health & Safety Handbook. Discuss potential hazards, review JSA(s), necessary PPE, emergency meeting point, emergency contacts, and hospital route.	
3	Entering residential/commercial property	1	Unsafe conditions	Evaluate the property for potential hazards before entering. Look for dogs or other pets on the property that could potentially harm someone. Survey the overall condition of the property and residence or building. The presence of trash or an unkempt property should be considered as a potential indicator that entering the residence may be unsafe. Entering onto private properties and working in unfamiliar circumstances with residences in outlying rural areas at the end of isolated dirt roads. Strangers may not be welcome on properties. Be prepared to Stop Work if unsafe conditions are present.	
4	Entering home, office or business	1	Working inside	Before entering the home or business evaluate the conditions. Does the occupant appear calm or are they upset? Are they potentially under the influence of drugs or alcohol? Are they carrying a weapon or are weapons visible in the house? Is the house unkempt and represent a potential tripping or health hazard? Are there pets in the house? If unsafe conditions exist, do not enter. Work in pairs when conducting the sampling. Sink areas where samples are to be collected may need to be cleared or emptied out in order to	

				obtain the sample. Be aware of knives and other sharp objects, and or other potentially unsanitary conditions. Wear the required PPE and utilize hand sanitizer as needed.	
		2	Property damage	If determined necessary, don disposable booties over work boots to prevent tracking in mud or dirt into the residence and/or to protect workers from unsafe or unsanitary conditions. Work carefully when inside the home or office to avoid damaging any property. Be courteous and respectful and clean up when sampling is completed.	
5	Sample collection	1	Slips, trips, falls, overhead hazards, electrical hazards	Evaluate work area and look for potential slip, trip and fall hazards. Look for overhead hazards, such as a low ceiling or plumbing. Identify potential electrical hazards, such as faulty or exposed wiring.	
		2	Pressurized and/or contaminated water	Wear gloves and safety glasses. Avoid being in "the line of fire" when opening sample port or valves that may release contaminated or pressurized water. Discuss overall plumbing system with the occupant to potentially gain valuable information.	

PPE — Personal Protective Equipment

Type	Personal Protective Equipment	Description	Required
Eye Protection	safety glasses		Required
Foot Protection	Boots; and disposable outer booties as determined necessary		Required
Hand Protection	chemical resistant gloves (specify type)	Nitrile gloves	Required
	work gloves (specify type)	Leather or mechanic-type	Recommended

Supplies

Type	Supply	Description	Required
Communication Devices	mobile phone		Required
Miscellaneous	fire extinguisher		Required
	first aid kit		Required
	flashlight		Recommended
Personal	eye wash and hand sanitizer	Standard	Required

Review Comments

Reviewer		Comments
Employee: **Role** **Review Type** **Completed Date**	Merkle, Kurt HASP Reviewer Approve 4/4/2013	Approved verbally via phone conversation, review and revisions with Paula Lyon on 4/4/2013
Employee: **Role** **Review Type** **Completed Date**		
Employee: **Role** **Review Type** **Completed Date**		